
Application No.: 09/771054

Case No.: 56147US002

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-28 (CANCELLED)

29. (PREVIOUSLY PRESENTED) A method of using a cosmetic article comprising:

- (a) providing a cosmetic article containing a cosmetic composition which cosmetic composition contains in a dispensable form an aqueous dispersion of at least one polyurethane-urea polymer that is functionalized with at least one hydrolyzed or hydrolyzable silyl group,
- (b) applying said cosmetic article to a person's skin or nails; and
- (c) forming a film.

30. (PREVIOUSLY PRESENTED) The method of use of claim 29, said composition comprising the reaction product of:

- (a) at least one isocyanate terminated polyurethane-urea prepolymer comprising the reaction product of (i) at least one polyisocyanate, and (ii) at least one polyol;
- (b) at least one polyfunctional chain extender;
- (c) at least one silyl containing component; and
- (d) at least one hydrophilic component.

31. (PREVIOUSLY PRESENTED) The method of use of claim 30, wherein said polyisocyanate is a diisocyanate.

32. (PREVIOUSLY PRESENTED) The method of use of claim 30, wherein said polyol is a diol.

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33. (PREVIOUSLY PRESENTED) The method of use of claim 30, wherein said polyol has a number average molecular weight between about 200 and 5,000.

34. (PREVIOUSLY PRESENTED) The method of use of claim 30, wherein said chain extender is selected from the group consisting of water; ethylenediamine; 1,6-diaminohexane; piperazine; tris(2-aminoethyl)amine; amine terminated polyethers; adipic acid dihydrazide; oxalic acid dihydrazide; ethylene glycol; 1,4-butane diol; 1,8-octane diol; 1,2-ethanedithiol; 1,4-butanedithiol; 2,2'-oxytris(ethane thiol); di- and tri-mercaptopropionate esters of poly(oxyethylene) diols and triols; and mixtures thereof.

35. (PREVIOUSLY PRESENTED) The method of use of claim 30, wherein said silyl containing component is selected from the group consisting of:

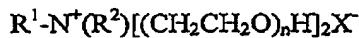
H₂NCH₂CH₂CH₂Si(OC₂H₅)₃,
 HN(CH₂CH₂CH₂Si(OC₂H₅)₃)₂,
 HSCH₂CH₂CH₂Si(OCH₃)₃,
 HO(C₂H₄O)₃C₂H₄N(CH₃)(CH₂)₃Si(OC₄H₉)₃,
 H₂NCH₂C₆H₄CH₂CH₂Si(OCH₃)₃,
 HSCH₂CH₂CH₂Si(OCOCH₃)₃,
 H₂NCH₂CH₂CH₂Si(OCH₃)₃,
 CH₃
 |
 H₂NCH₂CH₂CH₂Si(O-N=C)₃,
 |
 C₂H₅
 HN(CH₃)CH₂CH₂Si(OCH₃)₃,
 HSCH₂CH₂CH₂SiCH₃(OCH₃)₂,
 (HOC₂H₅)₂NC₃H₆Si(OCH₃)₃,
 H₂NCH₂CH₂CH₂NHCH₂CH₂CH₂Si(OCH₃)₃,
 OCNCH₂CH₂CH₂Si(OCH₃)₃, and mixtures thereof.

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36. (PREVIOUSLY PRESENTED) The method of use of claim 30, wherein said hydrophilic component is selected from the group consisting of (i) a compound containing an ionic group, (ii) a compound containing a moiety capable of forming an ionic group, or (iii) a nonionic water soluble group.

37. (PREVIOUSLY PRESENTED) The method of use of claim 36, wherein said hydrophilic component is a cationic compound having the following structure:



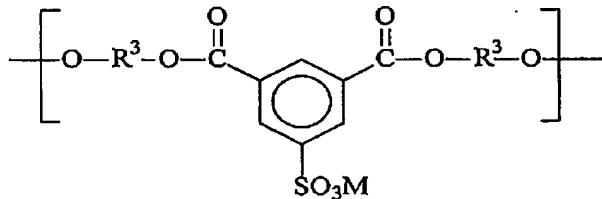
wherein R^1 is C_1 to C_{18} alkyl or C_6 to C_{18} aryl or aralkyl optionally substituted in and/or on the chain by N, O, S and combinations thereof;

R^2 is hydrogen or C_1 to C_{18} alkyl;

n is an integer from about 1 to 200; and

X is halogen, sulfate, methosulfate, ethosulfate, acetate, carbonate, or phosphate.

38. (PREVIOUSLY PRESENTED) The method of use of claim 36, wherein said hydrophilic component is a compound having the following structure:



wherein each R^3 is independently a divalent aliphatic group having an average molecular weight of 200 to 600 comprising ether or ester functional groups selected from the group consisting of:

- $CH_2CH_2-(OCH_2CH_2)_n-$,
- $CH(CH_3)CH_2-(OCH(CH_3)CH_2)_n-$,
- $(CH_2)_4-(O(CH_2)_4)_n-$,
- $(CH_2)_mCO-[O(CH_2)_mCO]_n-$ groups; and
- mixtures thereof;

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where m is an integer from about 2 to 5;
 n is an integer from about 2 to 15; and
M is a cation selected from the group consisting of Na, H, K, and Li, or a primary, secondary, tertiary, or quaternary ammonium cation and mixtures thereof.

39. (PREVIOUSLY PRESENTED) The method of use of claim 29 wherein said exhibiting self-adhesion properties when coated and dried to a film of about 0.025 millimeter in thickness.

40. (PREVIOUSLY PRESENTED) The method of use of claim 29 wherein said cosmetic article further comprising ingredients selected from the group consisting of emollients, humectants, other film forming polymers, propellants, pigments, dyes, buffers, organic suspending agents, inorganic suspending agents, organic thickening agents, inorganic thickening agents, waxes, surfactants, plasticizers, preservatives, flavoring agents, perfumes, sunscreen agents, insect repellents, vitamins, herbal extracts, skin bleaching agents, hair bleaching agents, skin coloring agents, hair coloring agents, antiperspirant agents, deodorant agents, depilating agents, antifungal agents, antimicrobial agents, antidandruff agents, antiacne agents, astringents, corn removers, callus removers, wart removers and combinations thereof.

41. (PREVIOUSLY PRESENTED) A method of use of claim 29 wherein the cosmetic article comprises at least one of (a) creams, emulsions, lotions, gels, and oils for the skin; (b) face masks; (c) tinted bases; (d) make-up powders, after-bath powders, hygienic powders; (e) toilet soaps, deodorant soaps; (f) perfumes, toilet waters, cologne; (g) bath and shower preparations; (h) depilatories; (i) deodorants and anti-perspirants; (j) products for making-up and removing make-up from the face and the eyes; (k) products intended for application to the lips; (l) products for nail care and nail make-up; (m) products for external intimate hygiene; (n) sunbathing products; (o) products for tanning without sun; (p) skin-whitening products; and (q) anti-wrinkling products.

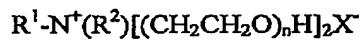
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42. (NEW) The method of use of claim 29 wherein said cosmetic article is in the form of an aqueous dispersion comprising at least one polyurethane-urea polymer that is functionalized with at least one hydrolyzed or hydrolyzable silyl group;

wherein said composition comprises the reaction product of:

- (a) at least one isocyanate terminated polyurethane-urea prepolymer comprising the reaction product of (i) at least one polyisocyanate, and (ii) at least one polyol;
- (b) at least one polyfunctional chain extender;
- (c) at least one silyl containing component; and
- (d) at least one hydrophilic component; and

wherein said hydrophilic component is a cationic compound having the following structure:



wherein R^1 is C_1 to C_{18} alkyl or C_6 to C_{18} aryl or aralkyl optionally substituted in and/or on the chain by N, O, S and combinations thereof;

R^2 is hydrogen or C_1 to C_{18} alkyl;

n is an integer from about 1 to 200; and

X is halogen, sulfate, methosulfate, ethosulfate, acetate, carbonate, or phosphate.

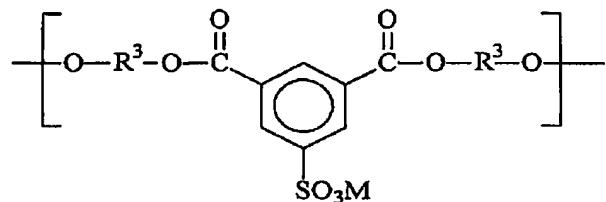
43. (NEW) The method of use of claim 29 wherein the cosmetic article is in the form of an aqueous dispersion comprising at least one polyurethane-urea polymer that is functionalized with at least one hydrolyzed or hydrolyzable silyl group;

wherein said composition comprises the reaction product of:

- (a) at least one isocyanate terminated polyurethane-urea prepolymer comprising the reaction product of (i) at least one polyisocyanate, and (ii) at least one polyol;
- (b) at least one polyfunctional chain extender;
- (c) at least one silyl containing component; and
- (d) at least one hydrophilic component; and

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wherein said hydrophilic component is a compound having the following structure:



wherein each R^3 is independently a divalent aliphatic group having an average molecular weight of 200 to 600 comprising ether or ester functional groups selected from the group consisting of:

- $\text{CH}_2\text{CH}_2-(\text{OCH}_2\text{CH}_2)_n-$,
- $\text{CH}(\text{CH}_3)\text{CH}_2-(\text{OCH}(\text{CH}_3)\text{CH}_2)_n-$,
- $(\text{CH}_2)_4-(\text{O}(\text{CH}_2)_4)_n-$,
- $(\text{CH}_2)_m\text{CO}-[\text{O}(\text{CH}_2)_m\text{CO}]_n-$ groups; and
- mixtures thereof;

where m is an integer from about 2 to 5;

n is an integer from about 2 to 15; and

M is a cation selected from the group consisting of Na , H , K , and Li , or a primary, secondary, tertiary, or quaternary ammonium cation and mixtures thereof.